

PETUNIA PLANT NAMED 'SUNPATIKI'

Botanical/commercial classification:

*Petunia hybrida*/Petunia Plant

5 Varietal denomination: cv. 'Sunpatiki'

BACKGROUND OF THE VARIETY

10 The present invention relates to a new and distinct  
variety of Petunia plant originated from crossing of a  
Petunia hybrid variety called '152-3' as the female  
parent and a seedling called 'Summer Sun' as the male  
parent.

15 The Petunia is a very popular plant that is used for  
flower bedding and potting in the summer season. There  
are only a few Petunia varieties which do not have an  
upright growth habit and which have a high resistance to  
rain, heat, and disease. Petunias of the 'Revolution'  
20 series include 'Revolution Purple pink' (U.S. Plant Pat.  
No. 6,915), 'Revolution Brilliant pink' (U.S. Plant Pat.  
No. 6,914), 'Revolution Brilliantpink-Mini' (U.S. Plant  
Pat. No. 6,899), and 'Revolution Blue vein' (U.S. Plant  
Pat. No. 9,322). These are decumbent type plants having  
25 long stems, a lower plant height, abundant branching, and  
a high resistance to heat, rain and disease. However,  
there are only a few Petunia varieties having a great  
profusion of small size flowers, yellow colored flower  
petals and a high resistance to rain, heat, and diseases.  
30 Accordingly, this invention was aimed at obtaining a new  
Petunia variety having yellow colored petals, together  
with the above features.

Progress

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The female parent '152-3' (unpatented) used in the  
crossing of 'Sunpatiki' is a strain of our breeding

lines, having a spreading growth habit with many branches. It has very small single flowers, the petals having yellowish white color.

5           The male parent 'Summer Sun' used in the crossing of 'Sunpatiki' is a cultivar, having an erect growth habit with very few branches, and thick stems. It has large vivid yellow flowers. The seed of 'Summer Sun' is commercially available.

10           In January 2000, crossing of '152-3' as the female parent and 'Summer Sun' as the pollen parent was conducted at Yokaichi-shi, Shiga-ken, Japan. In May 2000, 60 seedlings were obtained from that crossing. These  
15       seedlings were grown in pots in glasshouses and were evaluated. One seedling was selected in view of its growth habit, flower size and color in September 2000. That seedling was propagated by cutting and a trial was carried out by flower potting and bedding from April to  
20       September 2001 at Yokaichi-shi, Shiga-ken, Japan. The botanical characteristics of that plant were then examined, using similar varieties 'Sunpatire' (U.S. Ser. No. 10/611,359) and 'Fantasy Crystal Red' (unpatented) for comparison. As a result, it was concluded that this  
25       Petunia plant is distinguishable from any other variety, whose existence is known to us, and is uniform and stable in its characteristics. Then the new variety of Petunia plant was named 'Sunpatiki'.

30           In the following description, the color-coding is in accordance with the Horticultural Colour Chart of The Royal Horticultural Society, London, England (R.H.S. Colour Chart).

35       SUMMARY OF THE VARIETY

          This new variety is unlike any Petunia commercially

available as evidenced by the following unique combinations of characteristics.

1. Spreading growth habit with short stems.
2. Having abundant branching and a great profusion  
5 of blooms.
3. The flowers are single and small. The petal color is pale yellow green (R.H.S.1D) with brilliant yellow green (R.H.S.151C) and brilliant greenish-yellow (R.H.S. 7B) vein.
- 10 4. The plant has a high resistance to rain, cold, heat and disease.

The new variety 'Sunpatiki' differs from the similar variety 'Sunpatire' in the following points.

- 15 1. The leaf shape of 'Sunpatiki' is elliptic. That of 'Sunpatire' is lanceolate.
2. The leaf of 'Sunpatiki' is smaller and thinner than that of 'Sunpatire'.
3. The petal color of 'Sunpatiki' is pale yellow  
20 green (R.H.S.1D) with brilliant yellow green (R.H.S.151C) and brilliant greenish yellow (R.H.S.7B) vein. That of 'Sunpatire' is vivid red (R.H.S.N57A).
4. The apex shape of petal of 'Sunpatiki' is truncate. That of 'Sunpatire' is rounded.

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The new variety 'Sunpatiki' differs from the similar variety 'Fantasy Crystal Red' in the following points.

1. The growth habit of 'Sunpatiki' is spreading. That of 'Fantasy Crystal Red' is erect.
- 30 2. The stem length of 'Sunpatiki' is shorter than that of 'Fantasy Crystal Red'.
3. The leaf of 'Sunpatiki' is thinner than that of 'Fantasy Crystal red'.
4. The petal color of 'Sunpatiki' is pale yellow  
35 green (R.H.S.1D) with brilliant yellow green (R.H.S.151C) and brilliant greenish yellow (R.H.S. 7B) vein. That of 'Fantasy Crystal Red' is vivid red (R.H.S.52A) with

strong red (R.H.S.53C) vein.

5. The apex shape of petal of 'Sunpatiki' is truncate. That of 'Fantasy Crystal Red' is obtuse.

6. The heat resistance of 'Sunpatiki' is stronger  
5 than that of 'Fantasy Crystal Red'.

The new variety of Petunia plant 'Sunpatiki' was asexually reproduced by use of cutting at Yokaichi-shi, Shiga-ken, Japan, and the homogeneity and stability  
10 thereof were confirmed. The instant plant retains its distinctive characteristics and reproduces true to type in successive generations.

#### BRIEF DESCRIPTION OF THE PHOTOGRAPH

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The depicted plants had been reproduced by the use of cuttings and were photographed during July 2003 while cultivating under the trial field in 15 cm pots at an age of approximately 6 months at Yokaichi-shi, Shiga-ken,  
20 Japan.

FIG. 1 is a photograph of a typical plant of the new variety of Petunia plant 'Sunpatiki' while growing in a pot.

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FIG. 2 is a photograph of a close view of flowers and leaves of the new variety of Petunia plant 'Sunpatiki'.

#### DESCRIPTION OF THE VARIETY

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The botanical characteristics of the new and distinct variety of Petunia plant named 'Sunpatiki' are as follows when observed during July at Yokaichi-shi, Shiga-ken, Japan at an age of approximately 6 months.

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Plant:

Growth habit. - Spreading.

Plant height. - Approximately 19 cm.

Spreading area of plant. - Approximately 14 cm.

Blooming period. - Early April to late October in the southern Kanto area, Japan. The plant shape does not change throughout this period. A typical flower commonly  
5 lasts approximately 5 days on the plant when experiencing a temperature of approximately 20°C.

Stem:

Length. - Approximately 1.9 cm.

Thickness. - Approximately 2.0 mm.

10 Pubescence. - Normal.

Branching. - Abundant.

Internode length. - Approximately 1.3 cm.

Color. - R.H.S. 144B (vivid yellow-green).

Leaf:

15 Whole shape. - Elliptic with entire margin. The apex shape is acute, and the base shape is attenuate.

Length. - Approximately 2.7 cm.

Width. - Approximately 1.7 cm.

20 Color. - Upper side color is R.H.S. 137A (moderate olive-green). Lower side color is R.H.S. 146A (moderate yellow-green).

Thickness. - Approximately 0.2 mm.

Pubescence. - Sparse.

Flower:

25 Facing direction. - Slanted upward.

Type. - Single.

Shape. - Funnel-shaped, with five-fissures.

Shape of petal tip. - Truncate.

Lobation. - Shallow

30 Waving of petal. - Weak.

Diameter. - Approximately 4.4 cm.

35 Color. - Petal; R.H.S.1C (pale yellow-green) with R.H.S.151C (brilliant yellow green) and R.H.S.7B (brilliant greenish-yellow) vein. Inside color of the corolla throat; R.H.S. 7B (brilliant greenish-yellow). Outside color of the corolla tube; R.H.S. 1C (light yellow-green).

Reproductive organs. - 1 normal pistil and 5 normal stamens. Color of pistil is R.H.S. 145D (moderate yellow-green). Color of stamen is R.H.S. 10D (pale yellowish-green).

5      Peduncle. - Approximately 0.9 mm in diameter and  
Approximately 1.6 cm in length.

    Calyx. - Narrow. 5 sepals in fused at the base.

    Physiological and ecological characteristics. - High  
10 resistance to rain, cold, heat and disease. Moderate  
resistance to pests.

    This new variety of Petunia plant is most suitable  
for flower bedding and potting, particularly in hanging  
pots or planters. Pinching of old blossoms will enhance  
15 the formation of new blossoms.